

Applicant : Lim et al.
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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An OLED device comprising:
a substrate having an active region defined thereon, the active region comprises comprising pixels, the substrate having electrodes defined thereon along a first direction such that the electrodes are and confined to an electrode region; and
pillars along [[a]]the first direction on the substrate, wherein the pillars comprise a tapered profile, and the electrodes located in grooves between the pillars, and wherein the pillars extend past ends of the electrodes and outside the electrode region of the substrate to prevent electrical shorting.
2. (Original) The OLED device of claim 1 wherein:
the pixels comprise an organic functional layer formed by depositing a solution having organic functional material dissolved in a solvent; and
the pillars are inert to the solvent.
3. (Currently Amended) The OLED device of claim 2 wherein the pillars comprise a photosensitive material, and the pillars are cured to render the pillars inert to the solvent.
4. (Previously Presented) The OLED device of claim 3 wherein the pillars extend outside the electrode region to the edges of the substrate.
5. (Previously Presented) The OLED device of claim 1 wherein the pillars comprise a photosensitive material and the pillars are cured to render the pillars inert to the solvent.

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6. (Previously Presented) The OLED device of claim 5 wherein the pillars extend outside the electrode region to the edges of the substrate.

7. (Previously Presented) The OLED device of claim 1 wherein the pillars extend outside the electrode region to the edges of the substrate.

8. (Currently Amended) A flexible OLED device comprising:
a flexible substrate having an active region defined thereon, the active region ~~comprises~~ comprising OLED pixels, the flexible substrate having electrodes defined thereon along a first direction such that the electrodes are and confined to an electrode region; and
pillars along [[a]]the first direction on the substrate, wherein the pillars comprise a tapered profile, and the electrodes located in grooves between the pillars, and wherein the pillars extend past ends of the electrodes and outside the electrode region of the substrate to prevent electrical shorting.

9. (Original) The flexible OLED device of claim 8 wherein the flexible substrate comprises plastic or thin glass.

10. (Original) The OLED device of claim 9 wherein:
the pixels comprise an organic functional layer formed by depositing a solution having organic functional material dissolved in a solvent; and
the pillars are inert to the solvent.

11. (Previously Presented) The OLED device of claim 10 wherein the pillars comprise a photosensitive material and the pillars are cured to render the pillars inert to the solvent.

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12. (Previously Presented) The OLED device of claim 11 wherein the pillars extend outside the electrode region to the edges of the substrate.

13. (Previously Presented) The OLED device of claim 10 wherein the pillars comprise a photosensitive material and the pillars are cured to render the pillars inert to the solvent.

14. (Previously Presented) The OLED device of claim 11 wherein the pillars extend outside the electrode region to the edges of the substrate.

15. (Previously Presented) The OLED device of claim 10 wherein the pillars extend outside the electrode region to the edges of the substrate.

16. (Currently Amended) An OLED device comprising:
a substrate having an active region defined thereon, the active region ~~comprises~~
comprising OLED pixels, the substrate having electrodes defined thereon along a first direction
~~such that the electrodes are~~ and confined to an electrode region, wherein an organic functional
layer of the OLED pixels is formed by depositing a solution having organic functional material
dissolved in a solvent; and

pillars along [[a]]~~the~~ first direction on a the substrate, wherein the pillars are inert to the
solvent and comprise a tapered profile, and the electrodes located in grooves between the pillars,
and wherein the pillars extend past ends of the electrodes and outside the electrode region of the
substrate to prevent electrical shorting.